IN THE CLAIMS:

Please cancel claims 10-18 and add new claims 19-25 as follows.

Claims 1-18. (Cancelled).

19. (New) A method for data transmission in a cellular telecommunication system, in which system

data are transmitted in units of bursts, each burst occupying a time slot (TS[j]) of one of consecutive frames (F[i]),

each respective frame comprising a predetermined number n of time slots,

within a each time slot (TS[j]) of each frame (F[i]), data can be transmitted between a first transceiver device (BS) and a respective one of a plurality of second transceiver devices (MS) either in a first transmission direction (DL) from said first transceiver device (BS) to said respective second transceiver device (MS) or in a second transmission direction (UL) from said respective second transceiver device (MS) to said first transceiver device (BS) opposite to a transmission direction in another time slot of the same frame (F[i]) in which data is transmitted between said first transceiver device (BS) and another one of said second transceiver devices,

characterized in that

transmission in said first direction (DL) occurs in predetermined and fixed time slots (TS[j]) in each of consecutive frames (F[i], F[i+1]), and

transmission in said second direction (UL) occurs in different time slots (Ts[k], Ts[l]) in each of consecutive frames (F[i], F[i+1]),

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wherein

in said second direction (UL), during a first frame (F[i]) of consecutive frames

respective second transceiver devices (MS) perform transmission to said first transceiver device (BS) during a k^{th} time slot (TS[k]) assigned thereto for transmission, and

during a subsequent second frame (F[i+1]) of said consecutive frames,

respective second transceiver devices (MS) perform transmission with said first transceiver device (BS) during a different l^{th} time slot (TS[l]) assigned thereto for transmission,

with $0 \leq k, l \leq n-1$ and $k \neq l$.

20. (New) A method for data transmission in a cellular telecommunication system, in which system

data are transmitted in units of bursts, each burst occupying a time slot (TS[j]) of one of consecutive frames (F[i]),

each respective frame comprising a predetermined number n of time slots, wherein

within a each time slot (TS[j]) of each frame (F[i]), data can be transmitted between a first transceiver device (BS) and a respective one of a plurality of second transceiver devices (MS) either in a first transmission direction (DL) from said first transceiver device (BS) to said respective second transceiver device (MS) or in a second transmission direction (UL) from said respective second transceiver device (MS) to said

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first transceiver device (BS) opposite to a transmission direction in another time slot of the same frame (F[i]) in which data is transmitted between said first transceiver device (BS) and another one of said second transceiver devices,

characterized in that

transmission in said first direction (DL) occurs in different time slots (Ts[k], Ts[l]) in each of consecutive frames (F[i], F[i+1]), and

transmission in said second direction (UL) occurs in predetermined and fixed time slots (TS[j]) in each of consecutive frames (F[i], F[i+1]), wherein

in said first direction (DL) during a first frame (F[i]) of consecutive frames

respective first transceiver devices (BS) perform transmission to said second transceiver device (MS) during a k^{th} time slot (TS[k]) assigned thereto for transmission, and

during a subsequent second frame (F[i+1]) of said consecutive frames,

respective first transceiver devices (BS) perform transmission to said first transceiver device (MS) during a different l^{th} time slot (TS[l]) assigned thereto for transmission,

with $0 \leq k, l \leq n-1$ and $k \neq l$.

21. (New) A method for data transmission in a cellular telecommunication system according to claim 19,

characterized in that

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transmission between said first transceiver device (BS) and respective second transceiver devices (MS) occurs in said first direction (DL), in a first number of different time slots, and in said second direction (UL), in a second number of different time slots, said first and said second number being chosen such that the sum of said first and second number is less or equal to the number n of time slots within a frame.

22. (New) A method for data transmission in a cellular telecommunication system according to claim 19, characterized in that frames are transmitted using a frequency of available frequencies, and the used frequency is selectively changed.

23. (New) A method for data transmission in a cellular telecommunication system according to claim 19, characterized in that the frames are defined according to TDMA standard.

24. (New) A method for data transmission in a cellular telecommunication system according to claim 19, characterized in that within each TDMA time slot code division (CDMA) can be applied between users.

25. (New) A radio transceiver device adapted to operate according to the method as defined in claim 19 either as first or as second transceiver device.

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